CLAIMS

We claim:

- An ultrasonic surgical instrument defining a proximal end and a distal end and comprising:

 an asymmetric blade positioned at the distal end of the instrument; and
 a lumen having a distal end positioned in an overlapping relationship with the blade.
- 2. The ultrasonic surgical instrument of claim 1, wherein the lumen provides suction to remove fluid, debris, or vapors from a surgical field.
- 3. The ultrasonic surgical instrument of claim 1, wherein the lumen provides irrigation fluid to a surgical site.
- 4. The ultrasonic surgical instrument of claim 1, wherein the distal end of the lumen is moveable.
- 5. The ultrasonic surgical instrument of claim 1, wherein the blade is designed to vibrate in a longitudinal mode coupled with either a transverse or torsional mode.
- 6. The ultrasonic surgical instrument of claim 7, wherein the lumen is fixed in a position adjacent to the transverse or torsional node.
- 7. The ultrasonic surgical instrument of claim 7, wherein the lumen is movable to a position adjacent to the transverse or torsional node.
- 8. The ultrasonic surgical instrument of claim 6, wherein the transverse or torsional node facilitate debris or fluid removal in conjunction with suction.

- 9. The ultrasonic surgical instrument of claim 1, wherein the lumen is movable distally of the blade distall end.
- 10. The ultrasonic surgical instrument of claim 1, wherein the lumen is movable radially with respect to the blade.
- 11. The ultrasonic surgical instrument of claim 1, wherein the proximal end of the surgical instrument incorporates controls for suction and or irrigation functionality.
- 12. The ultrasonic surgical instrument of claim 1, wherein the blade defines a channel.
- 13. The ultrasonic surgical instrument of claim 12, wherein the channel directs debris and/or fluids toward the lumen for removal with suction.
- 14. The ultrasonic surgical instrument of claim 12, wherein the channel directs irrigation fluid from the lumen to the surgical site.
- 15. The ultrasonic surgical instrument of claim 12, wherein the channel directs provides support or constraint to the lumen.
- 16. An ultrasonic surgical instrument defining a proximal end and a distal end and comprising:
 - A blade symmetric in at least one plane positioned at the distal end of the instrument; and
- at least one lumen positioned in an overlapping relationship with the blade.
- 17. The ultrasonic surgical instrument of claim 16, wherein the lumen provides suction to remove fluid, debris, or vapors from a surgical field.
- 18. The ultrasonic surgical instrument of claim 16, wherein the lumen provides irrigation fluid to a surgical site.

- 19. The ultrasonic surgical instrument of claim 16, wherein the distal end of the lumen is moveable.
- 20. The ultrasonic surgical instrument of claim 16, wherein the blade is designed to vibrate in a longitudinal mode coupled with either a transverse or torsional mode.

j